

Rec'd PCT/PTO 16 SEP 10/523475
2005

DECLARATION AND POWER OF ATTORNEY
(Attorney Docket No. 110313.139US2)

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter, which is claimed and for which a patent is sought on the invention entitled:

Sperm-Specific Cation Channel, CatSper4, and Uses Therefor

the specification of which (check only one):

is attached hereto.

was filed as United States Patent Application
Application No. 10/523,475
on February 4, 2005
and was amended
on _____
(if applicable)

was filed as PCT Patent Application
Serial No. _____
on _____
and was amended under PCT Article 19
on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS
UNDER 35 U.S.C. §119(a)-(d) or 365(b):**

COUNTRY (if PCT indicate PCT)	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. §119(a)- (b) or 365(b) (YES/NO)
PCT	PCT/US2003/024359	August 4, 2003	Yes

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional patent application(s) listed below:

APPLICATION NUMBER	DATE OF FILING	STATUS: (PENDING OR ABANDONED)
60/402,115	August 7, 2002	Abandoned

I hereby claim the benefit under Title 35, United States Code, § 120 or 365(c) of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

**PRIOR U.S. APPLICATION OR PCT INTERNATIONAL APPLICATION(S)
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. § 120 or 365(c):**

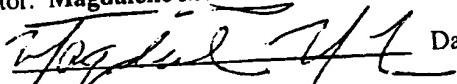
APPLICATION NUMBER	DATE OF FILING (month, day, year)	STATUS: (PATENTED, PENDING OR ABANDONED)
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agents associated with **Wilmer Cutler Pickering Hale and Dorr LLP**, 60 State Street, Boston, Massachusetts 02109, telephone number (617) 526-6000, facsimile number (617) 526-5000, Customer No. 23483 with full power of substitution and revocation to prosecute the this application and to transact all business in the Patent and Trademark Office connected therewith.

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

100 Full name of first inventor: Magdalene M. Moran

Inventor's signature 

Date 8/23/05

Country of Citizenship: United States of America

Residence/Post Office Address: 76 Harvard Avenue, Brookline, MA 02446



200 Full name of second inventor: Jayhong A. Chong

Inventor's signature 

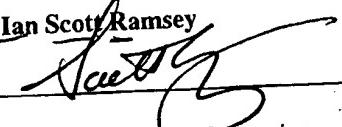
Date _____

Country of Citizenship: United States of America

Residence/Post Office Address: 258 Harvard Street #411, Brookline, MA 02446



300 Full name of third inventor: Ian Scott Ramsey

Inventor's signature 

Date 23 Aug 2005

Country of Citizenship: United States of America

Residence/Post Office Address: 266 Arborway #1, Jamaica Plain, MA 02130



400 Full name of second inventor: David E. Clapham

Inventor's signature 

Date 8/23/05

Country of Citizenship: United States of America

Residence/Post Office Address: 3 Atwood Street, Wellesley, MA 02482



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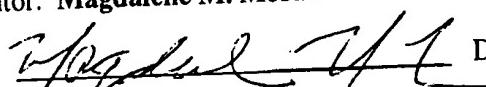
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agents associated with **Wilmer Cutler Pickering Hale and Dorr LLP**, 60 State Street, Boston, Massachusetts 02109, telephone number (617) 526-6000, facsimile number (617) 526-5000, Customer No. 23483, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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Full name of first inventor: **Magdalene M. Moran**

Inventor's signature

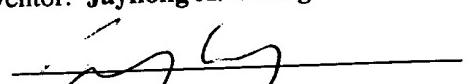
 Date 8/23/05

Country of Citizenship: United States of America

Residence/Post Office Address: 76 Harvard Avenue, Brookline, MA 02446

Full name of second inventor: **Jayhong A. Chong**

Inventor's signature

 Date 8/23/05

Country of Citizenship: United States of America

Residence/Post Office Address: 76 Harvard Avenue, Brookline, MA 02446

Full name of third inventor: **Ian Scott Ramsey**

Inventor's signature

_____ Date _____

Country of Citizenship: United States of America

Residence/Post Office Address: 266 Arborway #1, Jamaica Plain, MA 02130

Full name of second inventor: **David E. Clapham**

Inventor's signature

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